

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/740,256 A

Source: IFWP

Date Processed by STIC: 11/24/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 11/24/2004

PATENT APPLICATION: US/10/740,256A

TIME: 10:23:26

Input Set : A:\08497.ST25.txt

Output Set: N:\CRF4\11242004\J740256A.raw

3 <110> APPLICANT: Dahlberg, James E.  
 4 Allawi, Hatim T.  
 5 Lyamichev, Victor  
 6 Neri, Bruce P.  
 7 Olson-Munoz, Marilyn  
 8 Chehak, LuAnne  
 9 Olson, Sarah M.  
 11 <120> TITLE OF INVENTION: Detection of Small Nucleic Acids  
 13 <130> FILE REFERENCE: FORS-08497  
 15 <140> CURRENT APPLICATION NUMBER: 10/740,256A  
 16 <141> CURRENT FILING DATE: 2003-12-18  
 18 <160> NUMBER OF SEQ ID NOS: 123  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 27  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Synthetic  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: modified\_base  
 33 <222> LOCATION: (1)..(14)  
 34 <223> OTHER INFORMATION: 2'-O-methyl  
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 37 ggcacuuuug ugccaactat acaaccg  
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 41 <211> LENGTH: 36  
 42 <212> TYPE: DNA  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Synthetic  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: modified\_base  
 51 <222> LOCATION: (23)..(36)  
 52 <223> OTHER INFORMATION: 2'-O-methyl  
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 58 <210> SEQ ID NO: 3  
 59 <211> LENGTH: 30  
 60 <212> TYPE: RNA  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Synthetic

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70 <223> OTHER INFORMATION: 2'-O-methyl
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73 cgacgaaaac gucgugaggu aguaacgcag 30
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 22
78 <212> TYPE: RNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Synthetic
85 <220> FEATURE:
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (1)..(20)
89 <400> SEQUENCE: 4
90 ugagguagua gguuguauag uu 22
93 <210> SEQ ID NO: 5
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95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic
102 <220> FEATURE:
103 <221> NAME/KEY: modified_base
104 <222> LOCATION: (1)..(14)
105 <223> OTHER INFORMATION: 2'-O-methyl
107 <400> SEQUENCE: 5
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114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Synthetic
120 <220> FEATURE:
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122 <222> LOCATION: (24)..(37)
123 <223> OTHER INFORMATION: 2'-O-methyl
125 <400> SEQUENCE: 6
126 ccgtcgctgc gtctactacc tcacgacguu uucgucg 37
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130 <211> LENGTH: 31
131 <212> TYPE: RNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic
138 <220> FEATURE:
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140 <222> LOCATION: (1)..(31)
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149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
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153 <223> OTHER INFORMATION: Synthetic
156 <220> FEATURE:
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158 <222> LOCATION: (1)..(14)
159 <223> OTHER INFORMATION: 2'-O-methyl
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162 ggcacuuuug ugccaactat acaat 25
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 38
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (25)..(38)
177 <223> OTHER INFORMATION: 2'-O-methyl
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180 aacgaggcgc accctactac ctcacgacgu uuucgucg 38
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186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
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194 <222> LOCATION: (1)..(32)
195 <223> OTHER INFORMATION: 2'-O-methyl
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198 cgacgaaaac gucgugaggu aguagggugc gc 32
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202 <211> LENGTH: 29
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Synthetic
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (1)..(16)

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216 ggcagcuuuu gcugccctcc atacttctc 29
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222 <213> ORGANISM: Artificial Sequence
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225 <223> OTHER INFORMATION: Synthetic
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (23)..(38)
231 <223> OTHER INFORMATION: 2'-O-methyl
233 <400> SEQUENCE: 12
234 aacgaggcgc acttacattc cacgagccuu uuggcucg 38
237 <210> SEQ ID NO: 13
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240 <213> ORGANISM: Artificial Sequence
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247 <221> NAME/KEY: modified_base
248 <222> LOCATION: (1)..(32)
249 <223> OTHER INFORMATION: 2'-O-methyl
251 <400> SEQUENCE: 13
252 cgagccaaaa ggcucgugga auguaagugc gc 32
255 <210> SEQ ID NO: 14
256 <211> LENGTH: 22
257 <212> TYPE: RNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Synthetic
264 <220> FEATURE:
265 <221> NAME/KEY: modified_base
266 <222> LOCATION: (1)..(22)
267 <223> OTHER INFORMATION: 2'-O-methyl
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270 uggaauguaa agaaguaugg ag 22
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276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Synthetic
282 <220> FEATURE:
283 <221> NAME/KEY: modified_base
284 <222> LOCATION: (1)..(16)
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287 <400> SEQUENCE: 15
288 ggcagcuuuu gcugccctcc atacttcc 28
291 <210> SEQ ID NO: 16
292 <211> LENGTH: 39
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Synthetic
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301 <221> NAME/KEY: modified_base
302 <222> LOCATION: (24)..(39)
303 <223> OTHER INFORMATION: 2'-O-methyl
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306 aacgaggcgc actttacatt ccacgagccu uuuggcucg 39
309 <210> SEQ ID NO: 17
310 <211> LENGTH: 33
311 <212> TYPE: RNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Synthetic
318 <220> FEATURE:
319 <221> NAME/KEY: modified_base
320 <222> LOCATION: (1)..(33)
321 <223> OTHER INFORMATION: 2'-O-methyl
323 <400> SEQUENCE: 17
324 cgagccaaaa ggcucgugga auguaaagug cgc 33
327 <210> SEQ ID NO: 18
328 <211> LENGTH: 27
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial Sequence
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333 <223> OTHER INFORMATION: Synthetic
336 <220> FEATURE:
337 <221> NAME/KEY: modified_base
338 <222> LOCATION: (1)..(16)
339 <223> OTHER INFORMATION: 2'-O-methyl
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342 ggcagcuuuu gcugccctcc atacttt 27
345 <210> SEQ ID NO: 19
346 <211> LENGTH: 40
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence
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355 <221> NAME/KEY: modified_base
356 <222> LOCATION: (25)..(40)
357 <223> OTHER INFORMATION: 2'-O-methyl
359 <400> SEQUENCE: 19

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/24/2004  
PATENT APPLICATION:    US/10/740,256A      TIME: 10:23:27

Input Set : A:\08497.ST25.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:112; N Pos. 1

Seq#:113; N Pos. 1

**VERIFICATION SUMMARY**

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Input Set : A:\08497.ST25.txt

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L:1904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0

L:1921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0